

| Understanding by Design – Petal Pushers  |  | Desired Results   |  |
|--|--|---|--|
| Goals of Program   |  | Transfer  |  |
| <ul style="list-style-type: none"> <li>Enrich their understanding of place through inquiry.</li> <li>Experience National Parks as places for learning and recreation and develop a personal connection with their local national park.</li> <li>Understand the uniqueness of the Presidio Native plant habitat.</li> </ul>   |  | Students will be able to independently use their learning to: <ul style="list-style-type: none"> <li>Engage in scientific inquiry and prediction.</li> </ul>  |  |
| Content Area Standards   |  | Meaning   |  |
|  |  | Enduring Understandings   | Essential Questions  |
|  |  | Students will understand that:  |  |
| <p><b>California's Common Core State Standards</b><br/>           Speaking and Listing:<br/>           1.3: Engage effectively in a range of collaboration discussions (one-on-one, in groups, and teacher lead).<br/>           Writing Standards:<br/>           2: Write explanatory texts...<br/>           3.3: Write narratives to develop real or imagined experiences or events.</p> <p><b>Next Generation Science Standards:</b><br/>           3-LS4-2: How the variation in in characteristics among individuals of the same species may provide advantage in surviving, finding mates, and reproducing.</p> <p>3-LS4-3: In a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.</p> |  | <ul style="list-style-type: none"> <li>Understand plants have specific life cycles and habitat adaptations.</li> <li>Individuals and communities can help protect and preserve natural environments.</li> </ul> | How do plants reveal their secrets?  |
|  |  | Acquisition   |  |
|  |  | Students will know :  | Students will be able to ...   |
|  |  | <ul style="list-style-type: none"> <li>Plants adapt to a changing environment</li> <li>Elements of the scientific method.</li> </ul>  | <ul style="list-style-type: none"> <li>Pose questions from their own observations.</li> <li>Plan and conduct experiments.</li> </ul> |

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|  |  | <ul style="list-style-type: none"><li>• Explain how plants adapt for survival in the Presidio.</li><li>• Report findings.</li></ul> |
|  |  |   |
|  | <b>Evidence</b>  |   |
|  | <b>Students will show their learning by ...</b>  |   |
|  | <p>Completion of individual and group work in journal.</p> <p>Chose the part of a plant (leaves, roots, stems, flowers...). Write and illustrate a poem that shows the adaptations of this plant part. Be certain to use descriptive words and information from your journal.</p> <p>Or</p> <p>Create your own story of how plants have adapted to the changing environment in the Presidio.</p> |   |